

Project Title	Funding	Institution
Cognitive neuroscience - 1	\$142,158	Massachusetts Institute of Technology
Cognitive neuroscience - 2	\$111,690	Boston University School of Medicine
Cognitive neuroscience -3	\$70,933	Boston Children's Hospital
Cognitive neuroscience - 4	\$80,571	Massachusetts General Hospital
Role of neuroligin in synapse stability	\$150,000	Oklahoma Medical Research Foundation
Epstein-Barr virus research	\$30,000	Pediatric Gastrointestinal Association
Tibial bone lead levels	\$12,500	Autism Associates of New York
Immune molecules and cortical synaptogenesis: Possible implications for the pathogenesis of autism	\$150,000	University of California, Davis
NrCAM, a candidate susceptibility gene for visual processing deficits in autism	\$150,000	University of North Carolina at Chapel Hill
Role of Pam in synaptic morphology and function	\$150,000	Massachusetts General Hospital
The effects of Npas4 and Sema4d on inhibitory synapse formation	\$150,000	Boston Children's Hospital
Neuroligins and neuexins as autism candidate genes: Study of their association in synaptic connectivity	\$60,000	University of California, San Diego
Neuropharmacology of motivation and reinforcement in mouse models of autistic spectrum disorders	\$150,000	University of North Carolina School of Medicine
Using genetically modified mice to explore the neuronal network involved in social recognition	\$60,000	Haifa University
Relation of sleep epileptiform discharges to insomnia and daytime behavior	\$60,000	Vanderbilt University
Maternal infection and autism: Impact of placental sufficiency and maternal inflammatory responses on fetal brain development	\$130,000	Stanford University
Roles of Wnt signaling/scaffolding molecules in autism	\$28,000	University of California, San Francisco
Cognitive control and social engagement among younger siblings of children with autism	\$28,000	University of Miami
Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	\$47,500	Massachusetts Institute of Technology
BDNF secretion and neural precursor migration	\$47,500	Dana-Farber Cancer Institute
Caspr2 dysfunction in autism spectrum disorders	\$28,000	Yale University
Neural circuit deficits in animal models of Rett syndrome	\$44,000	Cold Spring Harbor Laboratory
The role of the autism-associated gene Tuberous Sclerosis Complex 2 (TSC2) in presynaptic development	\$55,000	University of California, San Diego
Pathway-based genetic studies of autism spectrum disorder	\$60,000	University of Pennsylvania
Description and assessment of sensory abnormalities in ASD	\$18,968	Center for Autism and Related Disorders
Evaluation of sleep disturbance in children with ASD	\$27,456	Center for Autism and Related Disorders
Social behavior deficits in autism: Role of amygdala	\$110,000	State University of New York Upstate Medical Center
Are neuronal defects in the cerebral cortex linked to autism?	\$33,000	Memorial Sloan-Kettering Cancer Center
Attentional abnormalities in autism: An electrophysiological study of the basal forebrain and central nucleus of the amygdala	\$60,000	University of California, San Diego

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A combined fMRI-TMS study on the role of the mirror neuron system in social cognition: Moving beyond correlational evidence	\$150,000	University of California, Los Angeles
Developmental versus acute mechanisms mediating altered excitatory synaptic function in the fragile X syndrome mouse model	\$150,000	University of Texas Southwestern Medical Center
Modeling and pharmacologic treatment of autism spectrum disorders in Drosophila	\$150,000	Albert Einstein College of Medicine of Yeshiva University
Consequences of maternal antigen exposure on offspring immunity: An animal model of vertical tolerance	\$137,000	The Fox Chase Cancer Center
Analysis of cortical circuits related to ASD gene candidates	\$150,000	Cold Spring Harbor Laboratory
Animal models of autism: Pathogenesis and treatment	\$100,000	University of Texas Southwestern Medical Center
Architecture of myelinated axons linking frontal cortical areas	\$54,000	Boston University
Molecular basis of autism associated with human adenylosuccinate lyase gene defects	\$30,000	University of Delaware
Neural mechanisms of social cognition and bonding - AS	\$31,500	Emory University
Mouse genetic model of a dysregulated serotonin transporter variant associated with autism	\$60,000	Vanderbilt University
Identification and functional characterization of gene variants	\$60,000	Universita Campus Bio-Medico di Roma
Sleep in children with autism	\$1,335	Vanderbilt University
Studying the biology and behavior of autism at 1-year: The well-baby check-up appointment	\$237,015	University of California, San Diego
Towards an endophenotype for amygdala dysfunction	\$414,395	California Institute of Technology
Atypical late neurodevelopment in autism: A longitudinal MRI and DTI study	\$507,505	University of Utah
Multimodal neuroimaging of white matter in autism	\$698,987	Massachusetts General Hospital
Motor skill learning in autism	\$327,316	Kennedy Krieger Institute
The neural basis of social cognition	\$325,412	West Virginia University
Multisensory integration of faces and voices in the primate temporal lobe	\$336,490	Princeton University
Urinary assay for HPL	\$11,048	Autism House
Identification of UBE3A substrates using proteomic profiling in Drosophila	\$60,000	University of Tennessee Health Science Center
Statistics and research design core	\$278,814	Yale University
Mouse models of the neuropathology of Tuberous Sclerosis Complex	\$258,136	University of Texas Health Science Center at Houston
Cerebellar anatomic and functional connectivity in autism spectrum disorders	\$254,625	University of Texas at Austin
The development of face processing	\$516,410	Boston Children's Hospital
A model-based investigation of face processing in autism	\$18,550	Georgetown University
Visual system connectivity in a high-risk model of autism	\$41,000	Boston Children's Hospital
A novel cell-based assay for autism research and drug discovery	\$60,000	University of Arizona

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Psychophysiological approaches to the study of autism	\$26,000	University of Washington
An adult brain-specific mouse model of neuronal TSC inactivation	\$60,000	Massachusetts General Hospital
Magnetic source imaging and sensory behavioral characterization in autism	\$166,302	University of California, San Francisco
Neuroimaging of social perception	\$76,470	Yale University
Brain glutamate concentrations in autistic adolescents by MRS	\$9,703	Mount Sinai School of Medicine
Core B: Outreach and translation	\$85,017	University of California, Davis
Serotonin, corpus callosum, and autism	\$327,250	University of Mississippi Medical Center
Amygdala structure & biochemistry in adolescents with autism	\$27,276	University of Wisconsin - Madison
The neural substrates of repetitive behaviors in autism	\$52,799	Boston University Medical Campus
Autism: The neural substrates of language in siblings	\$33,151	Boston University Medical Campus
Neurobiology of spatial reversal learning	\$20,651	University of Delaware
Etiology of sleep disorders in ASD: Role of inflammatory cytokines	\$112,500	University of Maryland, Baltimore
Presence of clostridia in children with and without ASD	\$12,054	Center for Autism and Related Disorders
Coherence and temporal dynamics in auditory cortex of children with autism	\$87,875	Massachusetts General Hospital
Face processing and brain function associated with autistic symptoms in fragile X	\$73,500	University of Wisconsin - Madison
Cortical complexity in children with autism unaffected siblings and controls	\$79,000	Stanford University
Neurobiology of affective prosody perception in autism	\$228,000	Washington University in St. Louis
Disturbances of affective contact: Development of brain mechanisms for emotion	\$104,906	University of Pittsburgh
GABRBeta3 expression variation and the autism spectrum	\$162,073	Children's Memorial Hospital, Chicago
MRI measures of neural connectivity in Asperger's disorder	\$186,327	University of Michigan
Structural and chemical brain imaging of autism	\$521,038	University of Washington
The imaging core	\$318,616	University of California, Los Angeles
Genetics of language & social communication: Connecting genes to brain & cognition	\$326,310	University of California, Los Angeles
Anterior cingulate and fronto-insular related brain networks in autism	\$222,060	Mount Sinai School of Medicine
The mirror neuron system in the monkey and its role in action understanding	\$222,870	Massachusetts General Hospital
The genetics of restricted, repetitive behavior: An inbred mouse model	\$60,000	University of Florida
Vulnerability phenotypes and susceptibility to environmental toxicants: From organism to mechanism	\$110,000	University of Rochester
Optical analysis of circuit-level sensory processing in the cerebellum	\$49,000	Princeton University
Imaging the autistic brain before it knows it has autism	\$222,866	University of California, San Diego
Functional neuroanatomy of developmental changes in face processing	\$302,360	University of Kentucky

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Development of neural pathways in infants at risk for autism spectrum disorders	\$328,313	University of California, San Diego
Multimodal brain imaging in autism spectrum disorders	\$162,151	University of Washington
The role of the amygdala in autism	\$149,268	University of California, Davis
Cognitive control in autism	\$144,251	University of California, Davis
The intersection of autism and ADHD	\$152,423	Washington University in St. Louis
Engrailed and the control of synaptic circuitry in Drosophila	\$112,500	University of Puerto Rico Medical Sciences
Neurocognitive basis of language processing in autism	\$129,756	Duquesne University
fMRI studies of neural dysfunction in autistic toddlers	\$604,727	University of California, San Diego
Memory for visual material	\$208,829	University of Washington
Development of multisensory cortex: Role of experience	\$419,437	Vanderbilt University
Genetics and physiology of social anxiety in fragile X	\$157,300	University of California, Davis
Neuroimaging studies of connectivity in ASD - 004	\$354,401	Yale University
Mental health conferences: Comparative & primate studies	\$1	University of Pittsburgh
Biomedical informatics research network: National Database for Autism Research	\$160,000	University of California, San Diego
Functional MRI method development	\$3,074,547	National Institutes of Health
Social and affective components of communication	\$316,589	Salk Institute For Biological Studies
Development behavioral & neurophysiological measures for early autism diagnosis	\$28,536	Emory University
The fusiform and amygdala in the pathobiology of autism	\$312,347	Children's Hospital of Philadelphia
Neural mechanisms of social cognition and bonding - NIH	\$28,536	Emory University
Testing neurological models of autism	\$315,526	California Institute of Technology
Exploring the role of synaptic proteins in mouse models of autism	\$66,228	The Rockefeller University
Brain circuitry in simplex autism	\$250,000	Washington University in St. Louis
Optimization of methods for production of both ICSI- and SCNT derived baboon	\$2,284	Southwest Foundation for Biomedical Research
Gaba(A) receptor modulation via the beta subunit	\$228,787	Emory University
Mirror neuron and reward circuitry in autism	\$315,592	University of California, Los Angeles
Training in pediatric neurology	\$324,270	Yeshiva University
Chemosensory processing in chemical communication	\$280,890	Florida State University
L-type Ca2+ channel regulation of dendritic arborization	\$32,845	Stanford University
Slick and slack heteromers in neuronal excitability	\$51,278	Yale University
Social attention in normal and autistic individuals	\$48,796	Yale University
Plasticity in autism spectrum disorders: Magnetic stimulation studies	\$46,826	Beth Israel Deaconess Medical Center

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Emotional mimicry in children with autism	\$47,140	University of Denver
Chromatin alterations in Rett syndrome	\$271,798	University of Massachusetts Medical School
Neurobiological correlates of language dysfunction in autism spectrum disorders	\$405,921	Alexian Brothers Medical Center
GABAergic dysfunction in autism	\$294,333	University of Minnesota
Functional neuroimaging of children with autism - 06	\$136,446	Carnegie Mellon University
Neural substrates of gaze and face processing in autism	\$152,671	Boston University Medical Campus
Sex differences in early brain development; Brain development in Turner Syndrome	\$147,884	University of North Carolina at Chapel Hill
Anatomical connectivity in the autistic brain	\$84,666	New York University School of Medicine
Maternal responsivity and the development of children with FXS	\$314,520	University of North Carolina at Chapel Hill
Structural brain differences between autistic and typically-developing siblings	\$2,802	Stanford University
Diffusion tensor MRI + histopathology of brain microstructure + fiber pathways	\$24	University of Pittsburgh
Systems connectivity + brain activation: Imaging studies of language + perception	\$487,050	University of Pittsburgh
Cognitive affective and neurochemical processes underlying is in autism	\$377,097	University of Illinois at Chicago
The effect of interneuron loss on minicolumn structure	\$64,376	University of Louisville
Newborn screening for fragile X	\$152,847	University of Washington
Functional neuroimaging of children with autism - 05	\$3,853	Carnegie Mellon University

